

regulatory T cells or their precursors (especially from blood or bone marrow) is stimulated with an antigen (any, depending on the required specificity of (A)), then cultured under conditions that cause expansion of (A), particularly presence of IL-2, and preferably also IL-4.

The antigen is particularly:

- (a) an allogenic lymphocyte, mismatched at one MHC (major histocompatibility complex) Class I locus;
- (b) an autoantigen; or
- (c) an allergen.

Especially the sample is depleted of CD4+ and CD8+ cells before stimulation.

Preferred Cells: (A) express Ly-6A and osteopontin; they do not express IL-2, -4, -10 or -13, but after activation do express mRNAs for interferon-gamma, tumor necrosis factor-alpha and transforming growth factor-beta. They are resistant to activation-induced death but become susceptible to apoptosis in presence of IL-10 and/or antibodies that bind to them. Preparation: Ab are produced by conventional immunization with (A).

=> d his

(FILE 'HOME' ENTERED AT 12:26:10 ON 24 JAN 2003)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 12:26:24 ON 24 JAN 2003

```

L1      147 S CD3 AND CD4 AND CD8 AND CD44
L2      80 S L1 AND (TCR OR T CELL RECEPTOR)
L3      60 S L2 AND ALPHA AND BETA
L4      88 S L1 AND T CELL AND RECEPTOR
L5      54 S L4 AND ALPHA AND BETA
L6      67 S L3,L5
L7      10 S L6 AND NK?
L8      3 S L6 AND (NK1 OR NK 1 OR NK1 1 OR NK 1 1)
        SEL DN AN 3
L9      1 S E1-E3 AND L1-L8
        E YOUNG K/AU
L10     448 S E3-E29
        E YOUNG KEVIN/AU
L11     75 S E3-E12
        E ZHANG L/AU
L12     11795 S E3-E25 OR ZHANG LI/AU OR ZHANG LI ?/AU OR ZHANG LI?/AU
L13     10 S L10,L11 AND L12
        SEL DN AN 7-10
L14     6 S L13 NOT E1-E12
L15     23636 S NATURAL KILLER CELL OR NK1 OR NK
        E NATURAL KILLER/CT
        E E8+ALL
L16     7140 S E2
        E NATURAL KILLER/CT
        E E4+ALL
L17     752 S E16
L18     23792 S L15-L17
        E TCR/CT
L19     6757 S E4-E29
        E E4+ALL
L20     13012 S E14,E15,E13+NT
L21     40257 S TCR OR T CELL(L)RECEPTOR
L22     2595 S L18 AND L19-L21
L23     874 S L22 AND ALPHA AND BETA
L24     2595 S L22,L23
        E CD3/CT
L25     967 S E5-E8

```

L26 4752 S E4+ALL
 L27 17033 S E6,E5+NT
 L28 694 S CD3
 E L24 AND L25-L27
 E CD4/CT
 E E4+ALL
 L29 7113 S E10,E9+NT
 L30 68 S L28 AND L29
 L31 305 S L28 AND CD4
 L32 305 S L30,L31
 E CD8/CT
 E E4+ALL
 L33 3508 S E10,E9+NT
 L34 21468 S CD8
 L35 247 S L32 AND L33,L34
 L36 57 S L35 AND (NEG OR NEGAT?)
 E CD44/CT
 E E4+ALL
 L37 2556 S E19,E18+NT
 L38 3477 S CD44
 L39 11 S L35 AND L37,L38
 E CD28/CT
 E E4+ALL
 L40 2317 S E7,E6+NT
 L41 3982 S CD28
 L42 20 S L30 AND L40,L41
 L43 0 S L36 AND L42
 L44 12988 S DOUBLE(L) (NEG OR NEGATIV?)
 L45 27 S L44 AND L35
 L46 10 S L45 AND (?PROLIFERAT? OR ?METAST? OR ?TUMOR? OR ?NEOPLAS? OR
 L47 247 S (L29 OR CD4) AND L35
 L48 27 S L47 AND L44
 L49 27 S L45,L48
 L50 10 S L49 AND L46
 L51 3593 S CD3?(L)CD4?(L)CD8?
 L52 213 S L51 AND L44
 L53 165 S L52 AND L19-L21
 L54 50 S L53 AND REGULAT? (L) (LYMPHOCYT? OR T CELL OR B CELL)
 L55 37820 S "T CELL (LYMPHOCYTE)"/CT
 L56 54591 S "T CELL (LYMPHOCYTE)"+NT/CT
 L57 616 S L55,L56 (L) REGULATORY
 L58 2 S L57 AND L53
 L59 23 S L54 AND ALPHA(S)BETA
 L60 6 S L14 AND L1-L59
 L61 665 S REGULATORY T CELL
 L62 481 S REGULATORY CELL
 L63 6 S L61,L62 AND L53
 L64 8 S L58,L60,L63,L14
 L65 9 S L9,L64
 L66 10 S L50 NOT L65
 SEL DN AN 4 5 6 7 9 10
 L67 6 S E1-E18
 L68 15 S L65,L67 AND L1-L67
 L69 19 S L59 NOT L68
 SEL DN AN 6 15 19
 L70 3 S E19-E27
 L71 18 S L68,L70 AND L1-L70
 L72 18 S L71 AND (CD3? AND CD4? AND CD8? AND (NK1 1 OR NK 1 1 OR NATUR
 L73 15 S L72 AND (?PROLIFERAT? OR ?TUMOR? OR ?NEOPLAS? OR ?MALIGN? OR
 L74 18 S L71,L72,L73
 E CYTOKINES/CT
 L75 9 S E3+NT AND L71
 E E3+ALL

```

      E E4+ALL
L26   4752 S E6,E5+NT
L27  17033 S CD3
L28   694 S L24 AND L25-L27
      E CD4/CT
      E E4+ALL
L29   7113 S E10,E9+NT
L30   68 S L28 AND L29
L31   305 S L28 AND CD4
L32   305 S L30,L31
      E CD8/CT
      E E4+ALL
L33   3508 S E10,E9+NT
L34  21468 S CD8
L35   247 S L32 AND L33,L34
L36   57 S L35 AND (NEG OR NEGAT?)
      E CD44/CT
      E E4+ALL
L37   2556 S E19,E18+NT
L38   3477 S CD44
L39   11 S L35 AND L37,L38
      E CD28/CT
      E E4+ALL
L40   2317 S E7,E6+NT
L41   3982 S CD28
L42   20 S L30 AND L40,L41
L43   0 S L36 AND L42
L44  12988 S DOUBLE(L) (NEG OR NEGATIV?)
L45   27 S L44 AND L35
L46   10 S L45 AND (?PROLIFERAT? OR ?METAST? OR ?TUMOR? OR ?NEOPLAS? OR
L47   247 S (L29 OR CD4) AND L35
L48   27 S L47 AND L44
L49   27 S L45,L48
L50   10 S L49 AND L46
L51   3593 S CD3?(L)CD4?(L)CD8?
L52   213 S L51 AND L44
L53   165 S L52 AND L19-L21
L54   50 S L53 AND REGULAT? (L) (LYMPHOCYT? OR T CELL OR B CELL)
L55  37820 S "T CELL (LYMPHOCYTE)"/CT
L56  54591 S "T CELL (LYMPHOCYTE)"+NT/CT
L57   616 S L55,L56 (L) REGULATORY
L58   2 S L57 AND L53
L59   23 S L54 AND ALPHA(S)BETA
L60   6 S L14 AND L1-L59
L61   665 S REGULATORY T CELL
L62   481 S REGULATORY CELL
L63   6 S L61,L62 AND L53
L64   8 S L58,L60,L63,L14
L65   9 S L9,L64
L66   10 S L50 NOT L65
      SEL DN AN 4 5 6 7 9 10
L67   6 S E1-E18
L68   15 S L65,L67 AND L1-L67
L69   19 S L59 NOT L68
      SEL DN AN 6 15 19
L70   3 S E19-E27
L71   18 S L68,L70 AND L1-L70
L72   18 S L71 AND (CD3? AND CD4? AND CD8? AND (NK1 1 OR NK 1 1 OR NATUR
L73   15 S L72 AND (?PROLIFERAT? OR ?TUMOR? OR ?NEOPLAS? OR ?MALIGN? OR
L74   18 S L71,L72,L73
      E CYTOKINES/CT
L75   9 S E3+NT AND L71
      E E3+ALL

```

L76 3 S L71 AND E5
L77 18 S L74-L76

FILE 'HCAPLUS' ENTERED AT 13:09:37 ON 24 JAN 2003

L78 17 S L77 AND (DN OR DOUBL?(L) (NEG OR NEGATIV?))
L79 18 S L77,L78

FILE 'HCAPLUS' ENTERED AT 13:10:28 ON 24 JAN 2003

FILE 'BIOSIS' ENTERED AT 13:10:54 ON 24 JAN 2003

E ZHANG L/AU
L80 1827 S E3-E25
L81 2164 S ZHANG LI/AU OR ZHANG LI ?/AU OR ZHANG LI?/AU
E YOUNG K/AU
L82 545 S E3-E30
E YOUNG KEVIN/AU
L83 45 S E3-E8
L84 11 S L80,L81 AND L82,L83
SEL DN AN 10 11
L85 9 S L84 NOT E1-E4

FILE 'HCAPLUS, BIOSIS' ENTERED AT 13:12:40 ON 24 JAN 2003

L86 21 DUP REM L79 L85 (6 DUPLICATES REMOVED)

FILE 'HCAPLUS, BIOSIS' ENTERED AT 13:12:51 ON 24 JAN 2003

FILE 'CANCERLIT' ENTERED AT 13:13:48 ON 24 JAN 2003

L87 3218 S CD3? (L) CD4? (L) CD8?
L88 144 S L87 AND (DN OR DOUBL?(L) (NEG OR NEGATIV?))
L89 75 S L88 AND TCR
L90 49 S L88 AND T CELL RECEPTOR
L91 30 S L88 AND REGULAT?(L) CELL
L92 0 S L89-L01 AND CD44?
L93 11 S L89-L91 AND CD44?
L94 5 S L89-L91 AND CD28?
L95 12 S L89-L91 AND (NK1 1 OR NK 1 1 OR NATURAL KILLER)
L96 51 S L89-L91 AND ALPHA AND BETA
L97 21 S L91 AND L89,L90,L93-L96
SEL DN AN 2 4 15 18 21
L98 5 S L97 AND E5-E19
L99 3 S L87 AND (YOUNG K? OR ZHANG L?)/AU
L100 142 S (YOUNG K? OR ZHANG L?)/AU AND REGULAT?(L) CELL
L101 3 S "*T-LYMPHOCYTES"/CT AND L99
L102 7 S "*T-LYMPHOCYTES"/CT AND L100
L103 2 S L99,L101 AND L102
L104 6 S L98,L103 AND L87-L103
L105 6 S L104 AND (CD3? OR CD4? OR CD8? OR CD44? OR CD28? OR TCR? OR T
L106 5 S L105 AND DN#
L107 6 S L105,L106

FILE 'CANCERLIT' ENTERED AT 13:26:35 ON 24 JAN 2003

FILE 'WPIX' ENTERED AT 13:26:42 ON 24 JAN 2003

E YOUNG K/AU
L108 184 S E3-E23
E ZHANG L/AU
L109 1128 S E3-E18
L110 1 S L108 AND L109
L111 69 S L108,L109 AND C12N/IC, ICM, ICS
L112 1 S L111 AND A61P035/IC, ICM, ICS
L113 1 S L111 AND A61P037/IC, ICM, ICS
L114 1 S L110,L112,L113
L115 15 S L111 AND C07K014/IC, ICM, ICS

L116 4 S L111 AND C07K016/IC, ICM, ICS
L117 1 S L111 AND C07K019/IC, ICM, ICS
L118 17 S L114-L117
SEL DN AN 8
L119 1 S L118 AND E1-E2
L120 52 S L111 NOT L112-L119

FILE 'WPIX' ENTERED AT 13:34:03 ON 24 JAN 2003

FILE 'DPCI' ENTERED AT 13:34:15 ON 24 JAN 2003
E WO2001026679/PN
E CA2316089/PN
E EP1223963/PN